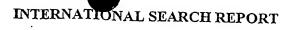


International application No. PCT/JP03/13357

A CLAS	SIFICATION OF SUBJECT MATTER				
Int	.Cl ⁷ F21S2/00, F21V5/00, F21V	7/12 GD2F1/13357 . FO1 V1	01.00		
1	F21Y103:00, G09G3/36, G0	9G3/34 G09G3/21	101:02,		
		303/34/ 00303/21			
According	According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED					
Tnt	locumentation searched (classification system followe Cl ⁷ F21S2/00, F21V5/00, F21V7	d by classification symbols)			
]	.Cl ⁷ F21S2/00, F21V5/00, F21V7 F21Y103:00, G09G3/36, G09	//12, GUZ#1/1335/, F21Y1	.01:02,		
ł	1211103.00, G03G3/38, G03	9G3/34, G09G3/21			
Documenta	tion searched other than minimum documentation to t	he extent that such documents are included	l in the fields searched		
Jitsuyo Shinan Koho 1922—1996 Jitsuyo Shinan Toroku Koho 1996—2004					
Kokai Jitsuyo Shinan Koho 1971-2004 Toroku Jitsuyo Shinan Koho 1994-2004					
Electronic	lata base consulted during the international search (na	me of data base and where procticelle			
	the international scatter (na	ine of data base and, where practicable, se	irch terms used)		
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0 000	A CONTROL CONTROL OF THE CONTROL OF				
C. DOCU	MENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where a	appropriate of the relevant passages	Relevant to claim No.		
X		· ·			
Y	JP 2002-55675 A (Matsushita	Electric Industrial	1,24-26		
	Co., Ltd.),		2-23,27-28		
	20 February, 2002 (20.02.02) Page 7, left column, line 26	, he man 11 7-55			
	column, line 40; Figs. 1 to	12 page II, left			
		12 P 1237138 A1			
	a wo 01/22391 A1	P 123/136 AI	·		
Y	JP 06-265732 A (Dainippon P	rinting Co Itd)	2-7		
	22 September, 1994 (22.09.94).	2-1		
	Page 3, right column, lines	38 to 48; page 4.			
	right column, lines 2 to 4;	Fig. 7			
	(Family: none) .				
Y	JP 04-275526 A (Fujitsu Ltd.	.),	8-11, 13-17		
	01 October, 1992 (01.10.92),				
Ì	Page 5, left column, lines 2	6 to 39; Fig. 6			
1	(Family: none)				
I					
	· ·				
× Furthe	er documents are listed in the continuation of Box C.	See patent family annex.			
* Special categories of cited documents: "T" later document published after the international filing date or "A" document defining the general state of the art which is not			mational filing date or		
A document defining the general state of the art which is not priority date and not in conflict with the application but cite considered to be of particular relevance		c application but cited to			
"E" earlier of	earlier document but published on or after the international filing "X" document of particular relevance; the claimed invention cannot be				
"L" docume	nt which may throw doubts on priority claim(s) or which is	considered novel or cannot be consider step when the document is taken alone	red to involve an inventive		
cited to establish the publication date of another citation or other "Y" document of particular relevance; the claimed invention cannot be			laimed invention cannot be		
special reason (as specified) considered to involve an inventive step when the document is			when the document is		
means combination being obvious to a person skilled in the art			skilled in the art		
"P" docume than the	nt published prior to the international filing date but later priority date claimed	"&" document member of the same patent i	amily		
Date of the actual completion of the international search Date of mailing of the international search report			ch report		
26 February, 2004 (26.02.04)		09 March, 2004 (09.			
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Name and ma	ailing address of the ISA/	Authorized office			
	nese Patent Office	Authorized officer			
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International application No. PCT/J.P03/13357

C (Continue	ation) DOCIMENTS CONGIDENTS TO BE TO THE	<u> </u>
	ation). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
Y	JP 61-133502 A (Mitsubishi Electric Corp.), 20 June, 1986 (20.06.86), Page 2, lower left column, line 11 to page 3, upper right column, line 19; Figs. 1 to 2 (Family: none)	11-17
Y	JP 07-272507 A (NEC Home Electronics Ltd.), 20 October, 1995 (20.10.95), Page 3, left column, lines 30 to 34; Fig. 1 (Family: none)	18-19
Y	JP 2002-75038 A (Sony Corp.), 15 March, 2002 (15.03.02), Page 4, left column, line 17 to right column, line 30; Figs. 1 to 4 (Family: none)	20-23
. Y	CD-ROM of the specification and drawings annexed to the request of Japanese Utility Model Application No. 81963/1991(Laid-open No. 4133/1993) (Harison Denki Kabushiki Kaisha), 22 January, 1993 (22.01.93), Page 7, lines 3 to 8; Fig. 3 (Family: none)	20-21
Y .	JP 2002-40453 A (Seiko Epson Corp.), 06 February, 2002 (06.02.02), Page 4, left column, lines 33 to 39 (Family: none)	. 27
Y	JP 2002-82626 A (Sharp Corp.), 22 March, 2002 (22.03.02), Page 5, left column, lines 35 to 38 (Family: none)	28
A	JP 07-261175 A (Hitachi, Ltd.), 13 October, 1995 (13.10.95), Full text (Family: none)	1-24
A	JP 11-119217 A (Matsushita Electric Industrial Co., Ltd.), 30 April, 1999 (30.04.99), Full text (Family: none)	1-24

Form PCT/ISA/210 (continuation of second sheet) (July 1998)



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Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
·
2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
·
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Roy II Observation 1
Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet) This International Searching Authority found and the lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows: (See extra sheet)
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable
claims.
2. X As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment
of any additional fee.
3 As only come of the way 1. 1. 1. 1.
As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
only those dams for which lees were paid, specifically claims Nos.:
No required additional search fees were timely paid by the applicant. Consequently, this international search report is
restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
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temark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

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Continuation of Box No. II of continuation of first sheet(1)

A matter in independent claim 1 is not clearly novel as disclosed in document JP 2002-55675 A (Matsushita Electric Industrial Co., Ltd.), 20 February, 2002 (20.02.02), page 7, left column, line 26 to page 11, left column, line 40, Figs 1 to 12. Consequently the matter is not a special technical feature within the meaning of PCT Rule 13.2, second sentence, since it makes no contribution over the prior art.

The matter in independent claim 25 is disclosed in the above document just as judged in the above and is not a special technical feature. The matter in independent claim 26 is disclosed in the above document just as judged in the above and is not a special technical feature.

There exists no other common feature to be considered to be a special technical feature within the meaning of PCT Rule 13.2, second sentence, excluding a feature common to claims 2-7, a feature common to claims 8-10, a feature common to claims 12-17, a feature common to claims 18-19, a feature common to claims 20-21, and a feature common to claims 22-23.

Therefore, there exists among 13 groups of inventions in the following no technical features for linking the groups of inventions as described in PCT Rule 13.2, and accordingly it is clear that those inventions do not fulfill the requirement of unity of invention.

- 1. Claim 1
- 2. Claims 2-7
- 3. Claims 8-10
- 4. Claim 11
- 5. Claims 12-17
- 6. Claims 18-19
- 7. Claims 20-21
- 8. Claims 22-23
- 9. Claim 24 10. Claim 25
- 11. Claim 26
- 12. Claim 27
- 13. Claim 28